## WHAT IS CLAIMED IS:

1	1. A catcher for receiving expended shell casings from a firearm
2	having an ejection port as the firearm is discharged, the catcher comprising:
3	a hollow housing having a plurality of rigid walls, wherein one of the
4	walls has an opening in communication with the ejection port when the catcher is
5	mounted to the firearm for receiving the shell casings; and
6	a lining fixed inside the rigid walls, wherein the lining comprises an
7	acoustic foam having a plurality of wedges and the wedges are configured to deflect
8	the shell casings into the catcher.
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1	2. The catcher of claim 1 further comprising a seal attached to
2	the housing at the opening, wherein the seal is configured to provide a substantially
3	air-tight path between the ejection port and the opening.
1	The catcher of claim 1 wherein the acoustic foam is a partially-
2	open cell foam having approximately 85% cell reticulation.
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1	4. The catcher of claim 2 wherein the seal comprises a resilient,
2	compliant material in a solid, gel-sac, closed-cell foam, or skin covered foam
3	configuration.
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1	5. The catcher of claim 1 wherein each of the wedges has a front
2	face that is slanted away from the opening such that the casings are deflected away
3	from the opening and a rear face that is perpendicular to the planar surface of the
4	housing or slanted away from the opening such that the casings are resisted from
5	traveling back toward the opening even when bouncing inside the housing.
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1	6. The catcher of claim 1 wherein each of the wedges has a
2	height that is equal to or greater than the diameter of the cartridge casing that is
3	captured by the catcher.
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1	7. The catcher of claim 1 wherein the wedges are adjacent or
2	separated by a gap.
1	8. The catcher of claim 5 wherein the front surface of each of the
2	wedges is covered by a layer of a perforated material.
	and the rear
1	9. The catcher of claim 5 wherein the front surface and the rear
2	surface of each of the wedges is covered by a layer of a perforated material.
	10. A method of reducing jamming of a firearm as a spend
1	10. A method of reducing jamming of a meaning as a spend cartridge is ejected from and ejection port into a cartridge casing catcher when the
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3	firearm is discharged, the method comprising:  providing a hollow housing having a plurality of rigid walls, wherein
4	one of the walls has an opening in communication with the ejection port when the
5	catcher is mounted to the firearm for receiving the shell casings; and
6	fixing a lining inside the rigid walls, wherein the lining comprises an
7	acoustic foam having a plurality of wedges and the wedges are configured to deflect
8	the shell casings into the catcher.
9	the shell casings into the cases
1	11. The method of claim 10 further comprising attaching a seal
2	to the housing at the opening, wherein the seal is configured to provide a
3	substantially air-tight path between the ejection port and the opening.
1	12. The method of claim 10 wherein the acoustic foam is a
2	partially-open cell foam having approximately 85% cell reticulation.
1	13. The method of claim 11 wherein the seal comprises a resilient,
2	compliant material in a solid, gel-sac, closed-cell foam, or skin covered foam
3	configuration.
	14. The method of claim 10 wherein each of the wedges has a
1	front face that is slanted away from the opening such that the casings are deflected
2	away from the opening and a rear face that is perpendicular to the planar surface of
3	away from the opening the second of the seco
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- the housing or slanted away from the opening such that the casings are resisted from 4
- traveling back toward the opening even when bouncing inside the housing. 5
- The method of claim 10 wherein each of the wedges has a 15. 1 height that is equal to or greater than the diameter of the cartridge casing that is 2
- captured by the catcher. 3

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- The method of claim 10 wherein the wedges are adjacent or 16. 1 separated by a gap. 2
- The method of claim 14 wherein the front surface of each of 17. 1 the wedges is covered by a layer of a perforated material. 2
- The method of claim 14 wherein the front surface and the rear 18. 1 surface of each of the wedges is covered by a layer of a perforated material. 2
- A lining for a catcher for receiving expended shell casings 19. from a firearm having an ejection port as the firearm is discharged, wherein the catcher is a hollow housing having a plurality of rigid walls, and one of the walls has an opening in communication with the ejection port when the catcher is mounted 4 to the firearm for receiving the shell casings, the liner comprising an acoustic foam 5 having a plurality of wedges and the wedges are configured to deflect the shell 6 casings into the catcher. 7
- The lining of claim 19 wherein each of the wedges has a front 20. 1 face that is slanted away from the opening such that the casings are deflected away 2 from the opening and a rear face that is perpendicular to the planar surface of the 3 housing or slanted away from the opening such that the casings are resisted from 4 traveling back toward the opening even when bouncing inside the housing. 5